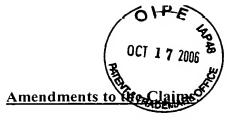
Application No. 10/772,291



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The following listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-18. (Canceled)
- 19. (Original) A process for reclaiming ammonia from at least one waste stream comprising:

providing a reaction vessel;

introducing at least one waste stream comprising ammonium hydroxide, hydrogen peroxide, and water into the reaction vessel;

introducing at least one hydroxide source into the reaction vessel;

combining the at least one waste stream and the at least one hydroxide source;

reacting the ammonium hydroxide from the at least one waste stream and the at least one hydroxide source to produce ammonia;

and removing the ammonia from the reaction vessel.

- 20. (Original) The process according to claim 19, further comprising: purifying the ammonia.
- 21. (Original) The process according to claim 19, wherein the at least one waste stream further contains silicon in a dissolved or particulate form.
- 22. (Original) The process according to claim 19, wherein the step of providing a reaction vessel comprises providing a reaction vessel containing at least one catalyst.
- 23. (Original) The process according to claim 22, wherein the at least one catalyst is Cu(NO₃)₂.
- 24. (Original) The process according to claim 22, wherein the at least one catalyst is present in an amount from about 0.1 to about 5.0% by weight of the at least one hydroxide source.

25. (Original) The process according to claim 19, wherein the reaction vessel is maintained under vacuum.

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- 26. (Original) The process according to claim 25, wherein the reaction vessel is maintained at a temperature in the range of from about 25°C to about 70°C.
- 27. (Original) The process according to claim 25, wherein the reaction vessel is maintained at a temperature of about 50°C.
- 28. (Original) The process according to claim 19, wherein the reaction vessel is maintained at a temperature in the range of from about 50°C to about 100°C.
- 29. (Original) The process according to claim 19, wherein the reaction vessel is maintained at a temperature of about 70°C.
- 30. (Original) The process according to claim 19, wherein the at least one hydroxide source is at least one solution containing hydroxide in a concentration greater than about 10% by weight and less than 55% by weight.
- 31. (Original) The process according to claim 30, wherein the at least one solution contains hydroxide in a concentration of about 50% by weight.
- 32. (Original) The process according to claim 30, wherein the source of the at least one solution is an alkaline etch bath solution.
- 33. (Original) The process according to claim 19, wherein the at least one hydroxide source comprises at least one alkali metal hydroxide compound.
- 34. (Currently Amended) The process according to claim 33, wherein the at least one alkali metal hydroxide compound is chosen from the group consisting of sodium hydroxide and potassium hydroxide.
- 35. (Currently Amended) The process according to claim 1, whereinclaim 19, wherein the at least one waste stream comprises at least one SC-1 chemical bath solution chemical bath solution comprising ammonium hydroxide, hydrogen peroxide and water.